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SEPTEMBER 19, 1882.

The President, Dr. LEIDY, in the chair.

Thirty-four persons present.

A paper entitled "Verification of the Habitat of Conrad's *Mytilus bifurcatus*," by R. E. C. Stearns, was presented for publication.

SEPTEMBER 26, 1882.

The President, Dr. LEIDY, in the chair.

Twenty persons present.

A paper entitled "Rotifera without Rotary Organs," by Prof. Jos. Leidy, was presented for publication.

On the Tobacco-worm, etc.—Prof. LEIDY exhibited a collection of tobacco-worms, the larvæ of *Sphinx carolina*, which he had obtained two days ago from a tobacco-field, near Columbus, New Jersey, where they were very abundant, and had proved a great pest in the cultivation of tobacco. The worms collected presented a number of well-marked varieties, which were supposed to be all of the same species. The principal ones were indicated as follows:

1. Pea-green or yellowish green, more or less finely hairy, with lateral oblique white bands bordered above with black dots which extend to the dorsal median line; head bright pea-green, dorso-caudal spine red. This is the most common variety.

2. Pea-green, smooth, with lateral oblique white bands joined in front below by horizontal white bands so as to form a series of >-like marks, the apex of each joining the lower limb of the one in advance; head green; dorso-caudal spine black.

3. Grass-green, smooth, with lateral white V-like marks as in No. 2; the oblique bands bordered above by blackish or brownish; upper part, especially in front, more or less dotted with white; head green, with a pair of black bands on each side; dorso-caudal spine black.

4. Yellowish green, annulated with narrow black lines; with lateral white V-like marks, the oblique bands bordered above with black; head bright pea-green; dorso-caudal spine red.

5. Dull green, with more or less brown dorsally and dotted with white, the dots more or less tuberculate, but otherwise smooth; with lateral white V-like marks, the oblique band bordered above with brown ascending to the dorsal median line; head green with a lateral pair of black bands; dorso-caudal spine black.